

## **IN THE CLAIMS:**

### **Listing of the claims:**

1. (Previously presented) A direct optical biometric sensor comprising detecting means for detecting radiation and radiation directing means for directing radiation from a point of contact of an individual with the radiation directing means towards the detecting means in response to contact of the individual with the radiation directing means at the point of contact, wherein the radiation directing means comprises a planar slab waveguide having a core layer with a region which is at least partly exposed and means for introducing radiation into the core layer such that radiation propagates throughout the exposed region thereof characterised in that the sensor further comprises an interference filter disposed between the planar slab waveguide and the detecting means.

2. (Cancelled)

3. (Previously presented) A sensor according to claim 1 wherein the means for introducing radiation into the core layer of the planar slab waveguide comprises one or more diodes lasers or light-emitting diodes.

4-5. (Cancelled)

6. (Previously presented) An electronic apparatus comprising the sensor of claim 1.

7. (Cancelled)

8. (Previously presented) An optical biometric sensor comprising:  
a radiation detector;

a radiation director capable of directing radiation from a point of contact of an individual with the radiation director towards the radiation detector in response to contact of the individual with the radiation director at the point of contact, the radiation director further comprising a planar slab waveguide having a core layer with a region which is at least partly exposed and a radiation source for

introducing radiation into the core layer such that radiation propagates throughout the exposed region thereof wherein the sensor further comprises an interference filter disposed between the planar slab waveguide and the radiation detector.

9. (Previously presented) The optical biometric sensor of claim 8 wherein the radiation source is selected from one or more diode lasers or one or more light emitting diodes.